WHAT IS CLAIMED IS

1. A composition comprising a chelated plant micronutrient including the reaction product of (i) a salt component selected from the group consisting of sodium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, potassium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, sodium/ammonium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, potassium/ammonium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, and mixtures thereof with (ii) a metal ion component selected from the group of the inorganic zinc, organic zinc, manganese, iron(II), iron(III) compounds, copper(II) compounds, and combinations thereof.

2. The composition according to Claim 1, wherein the complexing agent and the metal ion are at a molar ratio ranging from about 1.0:0.8 to about 1.0:0.98.

3. The composition according to Claim 1, wherein the micronutrient is present in liquid form and contains from about 1.0 to about 6.0 %,by weight of the metal ion component.

4. The composition according to Claim 1, wherein the micronutrient is present in solid form and contains from about 5.0 to about 14.0 %, by weight of the metal ion component.

5. The composition according to Claim 1, wherein the micronutrient is applied in an application selected from the group consiting of agricultural applications, horticulture applications, hydroponic applications and fertigation applications.

6. The composition according to Claim 1, wherein the micronutrient is biodegradable in accordance with OECD guidelines.

7. The composition according to Claim 1, wherein the micronutrient further comprises a micronutrient selected from the group consisting of agricutural micronutrients, horticultural micronutrients, hydroponic micronitrients, fertigation micronutrients, and combinations thereof.

8. The composition according to Claim 7, wherein the additional micronutrient is selected from the group consisting of magnesium, boron, molybdenum, calcium, cobalt, and mixtures thereof.

9. The composition according to Claim 1, wherein the micronutrient further comprises at least one complexing agent selected from the group consisting of aminopolycarboxyl compounds, polyaminocarboxyl compounds, polycarboxyl compounds, hydroxypolyaminocarboxyl compounds, hydroxypolycarboxyl compounds, and combinations thereof.

10. The composition according to Claim 1, wherein the micronutrient further comprises a NPK fertilizer.

11. The composition according to Claim 10, wherein the additional fertilizer is selected from the group consisting of nitrogen fertilizers, phosphorus fertilizers, potash fertilizers, and combinations thereof.

12. The composition according to Claim 1, wherein the micronutrient further comprises a component selected from the group consisting of wetting agents, adhesives, and combinations thereof.

13. A process for making a liquid micronutrient comprising (a) chealating (1) a complexing agent A having an imino group and polycarboxyl groups with (2) an inorganic compound B of a chloride, nitrate, acetate,

sulphate, carbonate, hydroxide or oxids of the polyvalent metal ions of iron, manganese, copper or zinc, and (b) adding an inorganic acid or an organic acid, and thereby forming the liquid micronutrient.

14. A process for preparing a solid chelating plant micronutrient comprising drying a liquid micronutrient in a spray drier, and thereby forming the solid chealating plant nutrient,
wherein the liquid micronutrient is prepared by (a) chealating (1) a complexing agent A having an imino group and polycarboxyl groups with (2) an inorganic compound B of a chloride, nitrate, acetate, sulfate of the polyvalent metal ions of iron, manganese, copper or zinc, or (b) said complexing agent A is reacted with an inorganic compound C of a hydroxide, carbonate or oxide of the same polyvalent metal ions with adding an inorganic acid or an organic acid.

15. A method for fertilizing a plant comprising: treating a plant with a composition comprising a chelated plant micronutrient including the reaction product of (i) a salt component selected from the group consisting of sodium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, potassium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, sodium/ammonium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, potassium/ammonium salts of N-(1,2-dicarboxyethyl)-D,L-aspartic acid, and mixtures thereof with (ii) a metal ion component selected from the group of the inorganic zinc, organic zinc, manganese, iron(II), iron(III) compounds, copper(II) compounds, and combinations thereof, and thereby treating the plant.